

## INTERNATIONAL SEARCH REPORT

Int. Appl. No.  
PCT/GB2004/001644

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A63F5/04

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A63F G07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 083 105 A (GALANTER JOZEF ET AL) 4 July 2000 (2000-07-04)  claims 1-18; figures 1-9	1, 8, 10-14, 17, 20, 21, 26, 28, 30, 35-38, 42-45, 47
A	US 4 601 470 A (KADOTA OTOMATSU ET AL) 22 July 1986 (1986-07-22) claims 1-6; figures 1-3	1, 8, 12, 18, 20, 25
A	US 6 047 965 A (MOLLO PAUL THOMAS ET AL) 11 April 2000 (2000-04-11) figures 1-5	1, 12-17
-/-		

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier documents but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"Z" document member of the same patent family

Date of the actual completion of the international search

28 July 2004

Date of mailing of the international search report

06/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl  
Fax: (+31-70) 340-3018

Authorized officer

Shmonin, V.

# INTERNATIONAL SEARCH REPORT

Int. Patent Application No.  
PCT/GB2004/001644

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 869 505 A (MANABE KATSUKI) 26 September 1989 (1989-09-26)	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. Application No  
PCT/JP2004/001644

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6083105	A	04-07-2000	NONE
US 4601470	A	22-07-1986	JP 1345121 C 29-10-1986 JP 58143781 A 26-08-1983 JP 61008704 B 17-03-1986 AU 562549 B2 11-06-1987 AU 1226183 A 08-09-1983 BR 8305743 A 10-01-1984 DE 3332420 C2 16-12-1993 DE 3332420 T 19-04-1984 EP 0101522 A1 29-02-1984 GB 2126108 A ,B 21-03-1984 WO 8302904 A1 01-09-1983
US 6047965	A	11-04-2000	NONE
US 4869505	A	26-09-1989	JP 63125272 A 28-05-1988 JP 1660603 C 21-04-1992 JP 3024876 B 04-04-1991 JP 63125273 A 28-05-1988 JP 1660604 C 21-04-1992 JP 3024877 B 04-04-1991 JP 63125274 A 28-05-1988 AT 65928 T 15-08-1991 AT 66160 T 15-08-1991 AU 605198 B2 10-01-1991 AU 8120487 A 19-05-1988 AU 604784 B2 03-01-1991 AU 8120587 A 19-05-1988 DE 3772007 D1 12-09-1991 DE 3772161 D1 19-09-1991 EP 0267804 A2 18-05-1988 EP 0269331 A2 01-06-1988 GB 2198047 A ,B 08-06-1988 GB 2197798 A ,B 02-06-1988 JP 1015082 A 19-01-1989 US 4906005 A 06-03-1990 US 4989873 A 05-02-1991